


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> NBU 921-27K4DS		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES		
<b>4. TYPE OF WELL</b> Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> NATURAL BUTTES		
<b>6. NAME OF OPERATOR</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.				<b>7. OPERATOR PHONE</b> 307-752-1169		
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 173779, Denver, CO, 80217				<b>9. OPERATOR E-MAIL</b> Laura.Gianakos@anadarko.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UO 1194A ST		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
<b>LOCATION AT SURFACE</b>	2031 FSL 1944 FEL	NWSE	27	9.0 S	21.0 E	S
<b>Top of Uppermost Producing Zone</b>	1485 FSL 2591 FWL	NESW	27	9.0 S	21.0 E	S
<b>At Total Depth</b>	1485 FSL 2591 FWL	NESW	27	9.0 S	21.0 E	S
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1485		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 1292		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 774		<b>26. PROPOSED DEPTH</b> MD: 10004 TVD: 9872		
<b>27. ELEVATION - GROUND LEVEL</b> 4944		<b>28. BOND NUMBER</b> 22013542		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Permit #43-8496		
<b>ATTACHMENTS</b>						
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
<b>NAME</b> Danielle Piernot		<b>TITLE</b> Regulatory Analyst		<b>PHONE</b> 720 929-6156		
<b>SIGNATURE</b>		<b>DATE</b> 02/03/2010		<b>EMAIL</b> gnbregulatory@anadarko.com		
<b>API NUMBER ASSIGNED</b> 43047509160000		<b>APPROVAL</b>  Permit Manager				

**T9S, R21E, S.L.B.&M.**

Found 2006  
Aluminum Cap in  
Pile of Stones,  
near E/W Fence

N89°46.5"W - 39.942' (G.L.O.)  
N89°43'14"W - 2636.24' (Meas.)

N89°52.1"W - 40.461' (G.L.O.)  
N89°49'27"W - 2670.41' (Meas.)

Found 2006  
Aluminum Cap in  
Pile of Stones  
Under E/W Fence

N00°16.1"W - 40.074' (G.L.O.)  
N00°12'54"W - 2645.06' (Meas.)

Found 2006 Aluminum  
Cap with Stone Under  
E/W Fence

NBU 921-27K4DS (Surface Position)  
NAD 83 LATITUDE = 40.005356° (40° 00' 19.280")  
LONGITUDE = 109.535334° (109° 32' 07.201")  
NAD 27 LATITUDE = 40.005391° (40° 00' 19.406")  
LONGITUDE = 109.534646° (109° 32' 04.724")

NBU 921-27K4DS (Bottom Hole)  
NAD 83 LATITUDE = 40.003853° (40° 00' 13.870")  
LONGITUDE = 109.538035° (109° 32' 16.926")  
NAD 27 LATITUDE = 40.003888° (40° 00' 13.996")  
LONGITUDE = 109.537347° (109° 32' 14.449")

**WELL LOCATION:  
NBU 921-27K4DS**

ELEV. UNGRADED GROUND = 4943.7'

N00°03'25"W - 2644.00' (Meas.)  
N00°01"W (G.L.O.)

Found 2006  
Aluminum Cap,  
Pile of Stones

N00°26.6"W - 40.361' (G.L.O.)  
N00°23'21"W - 2663.81' (Meas.)

2591'

Bottom of  
Hole

1485'

Well Surface  
Position

1944'

Found Uintah  
County Aluminum  
Cap in Pile of  
Stones.

2031'

Found Uintah  
County  
Aluminum  
Cap in Pile of  
Stones.

Found 2006  
Aluminum Cap  
with a Set Stone

S89°59'25"W - 2642.04' (Meas.)

WEST - 80.00' (G.L.O.)

S89°57'41"W - 2645.61' (Meas.)

Found Uintah County  
Aluminum Cap in Pile  
of Stones.

**NOTES:**

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.  
1 chain = 66 feet.
- The Bottom of hole bears S54°09'54"W 934.25' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW  $\frac{1}{4}$  of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street - Denver, Colorado 80202

**Well Pad: NBU 921-27J1**

**NBU 921-27K4DS  
WELL PLAT**

**1485' FSL, 2591' FWL (Bottom Hole)  
NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  OF SECTION 27, T9S, R21E,  
S.L.B.&M., UTAH COUNTY, UTAH.**

**609  
CONSULTING, LLC**  
371 Coffeen Avenue  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182



SCALE

**SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*John R. Haugh*  
No. 6028691  
JOHN R. HAUGH  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 6028691  
STATE OF UTAH

**TIMBERLINE**

(435) 789-1365

**ENGINEERING & LAND SURVEYING, INC.**  
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-22-09	SURVEYED BY: M.S.B.	SHEET NO:
DATE DRAWN: 10-26-09	DRAWN BY: K.H.G.	<b>4</b>
SCALE: 1" = 1000'	Date Last Revised: 1-19-10 M.W.W.	4 OF 16